



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

July 2, 2013

Mr. Levi Howell, Regulatory Affairs Specialist  
ICL-IP America, Inc.  
95 MacCorkle Avenue, S.W.  
South Charleston, WV 25303

SUBJECT: FQPA 302 Label Amendment  
PRODUCT NAME: **Halogene®**  
EPA REGISTRATION NUMBER: **8622-28**  
APPLICATION DATE: May 3, 2013  
APPLICATION RECEIVED DATE: May 7, 2013

Dear Mr. Howell:

This acknowledges receipt of your Label Amendment application, submitted pursuant to registration under the Federal Insecticide, Fungicide and Rodenticide Act ( FIFRA ) 3(c) 7(A), as amended.

Pesticide Application:

Added the following Administrative Information in the Header and in the Footer:

EPA registration number.

Product Name Master Label Version Number.

Date Of Arrival: mmddyyyy

Pages: No. of No.

Aligned the Active Ingredient, Other Ingredients, and total results within the Ingredient Statement.

Re-formatted the First Aid table.

Rearranged the First Aid table to match the flow of the Precautionary Statements.

Removed emergency number 1-304-746-3000.

Edited the paragraph following the Precautionary Statements to incorporate the following:

"...protective clothing and chemical resistant gloves..."

"...approved by the Mine Safety Health Administration and National Institute for Occupational Safety and Health."

"...after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet."

Remove and wash contaminated..."

Revised section title Chemical and Physical Hazards to Physical or Chemical Hazards.

Revised to incorporate the following: "STRONG OXIDIZING AGENT. So not mix with other chemicals. Mix with water only."

Moved Directions For Use between Physical or Chemical Hazards and Storage And Disposal.

Added the following statement under Directions For Use:

"Read the entire label and use strictly in accordance with precautionary statements and directions."

Replaced "HALOGENE" with "...this product..." or "...amount of product..." where appropriate.

Revised Storage And Disposal section in accordance with PR Notice 2007-4.

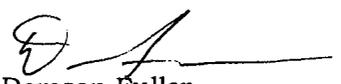
Revised Container Handling subsection.  
 Changed Manufactured for to Produced for.  
 Updated the contact information with phone numbers for Domestic and International labels.  
 After the EPA registration and establishment information.  
 Added [Material][Label] No. \_\_\_\_\_.  
 Revised NET CONTENTS units to [lbs.][kg.]  
 Added [Batch][Lot] No. \_\_\_\_\_.  
 Other minor formatting changes.  
 Minor grammatical and spelling corrections.

General Comments:

Based on the review of the submitted material, the following comments apply. The Label Amendment application is **Acceptable**. A copy of the EPA-stamped, **Accepted** Product Label is enclosed for your Company record.

If you have questions or comments with regard to this Agency Letter, the please contact Killian Swift via email at **Swift.Killian@epa.gov** or by telephone at **703-308-6346**. When you are submitting information or data in response to this Agency Letter, please send a copy of this Agency Letter with your response in order to facilitate processing.

Sincerely yours,



Demson Fuller,  
 Acting EPA Product Manager 32  
 Regulatory Management Branch II  
 Antimicrobials Division 7510P

Enclosure: EPA-stamped, **Accepted** "Halogene®" Product Label.

{All text in brackets [xxx] is optional and may or may not be intended on a final label.}  
{All text in braces {xxx} is administrative and will not appear on a final label.}

# HALOGENE®

## BROMO-CHLORO-DIMETHYLHYDANTOIN

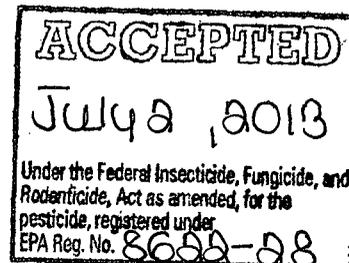
[A MICROBIOCIDAL [BACTERICIDE], [FUNGICIDE], [ALGAECIDE] [AND] [SLIMICIDE] [FOR TREATING] [RECIRCULATING COOLING WATER IN INDUSTRIAL COOLING SYSTEMS], [INDUSTRIAL ONCE-THROUGH COOLING WATER SYSTEMS], [AND] [PULP AND PAPER MILL WATER SYSTEMS]].

**ACTIVE INGREDIENT:**

Bromochloro-5,5-dimethylhydantoin.....96%

**OTHER INGREDIENTS:**.....4%

**TOTAL:**.....100%



**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**CORROSIVE AND STRONG OXIDIZER**

FIRST AID	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>Call a poison control center, or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  <b>YOU MAY ALSO CONTACT [1-800-420-9236] FOR EMERGENCY MEDICAL TREATMENT INFORMATION.</b></p>	
<p><b>NOTE TO PHYSICIAN</b>          Probable mucosal damage may contraindicate the use of gastric lavage.</p>	

See [back] [side] panels for additional precautionary statements [and first aid].

**PRECAUTIONARY STATEMENTS**

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER**

CORROSIVE.

CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS.

EYE CONTACT MAY CAUSE LOSS OF VISION.

MAY BE FATAL IF INHALED.

IRRITATING TO NOSE AND THROAT.

HARMFUL IF ABSORBED THROUGH SKIN OR SWALLOWED.

DO NOT SHIP WITH FOODS, FEEDS, DRUGS, OR CLOTHING.

KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

DO NOT SMOKE, DRINK, OR EAT WHEN HANDLING.

*Do not breathe dust or spray mist. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear goggles with side-shields, face shield, or safety glasses; protective clothing and chemical-resistant gloves. Wear a dust mist mask or pesticide respirator approved by the Mine Safety and Health Administration and National Institute for Occupational Safety and Health. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.*

**ENVIRONMENTAL HAZARDS**

{For containers less than 50 lbs.}

[This product is toxic to fish and aquatic organisms.]

{For containers greater than or equal to 50 lbs.}

[This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of waste. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.]

**PHYSICAL OR CHEMICAL HAZARDS**

**STRONG OXIDIZING AGENT.** Do not mix with other chemicals. Mix with water only. Reaction with combustible organic materials, bases, moisture or with oxidizers may generate heat, hazardous gases and, possibly, fire or explosion. Do not add to dispensers or other equipment that is not dry and clean of any chemical remnants. Does not burn, but will decompose, from about 320°F (160°C), releasing toxic gases. Avoid comminution and dusting.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read the entire label and use strictly in accordance with precautionary statements and directions.

**[INDUSTRIAL RECIRCULATING COOLING WATER SYSTEMS**

Used effectively at treatments recommended to achieve exposures to one part per million (ppm) of active residual bromine to control algal, bacterial and fungal slimes in industrial cooling towers; influent water systems, e.g. flow-through filters, and lagoons, etc.; heat-exchange water systems; industrial water scrubbing systems; brewery and canning pasteurizers and industrial air-washing systems equipped with a mist eliminator.

Initial treatment: When noticeably fouled, add 2-6 lbs./10,000 gal. of water contained in the system.

Repeat initial treatment until one ppm of active residual bromine is established for at least 4 hours.

Subsequent treatment: When microbial control is evident, add 1-3 lbs./10,000 gal. of water contained in the system. Repeat as needed to maintain one ppm of active residual bromine for at least 4 hours.]

**[ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS**

Used for the control of algal, bacterial and fungal slimes, by adding to the system inlet, or before any other contaminated area in the system, in once-through and closed-cycle fresh and sea water cooling systems; cooling ponds; canals; and lagoons.

Initial treatment: When noticeably fouled, add 2-6 lbs./10,000 gal. of water contained in the system.

Repeat initial treatment until one ppm of active residual bromine is established for at least 4 hours.

Subsequent treatment: When microbial control is evident, add 1-3 lbs./10,000 gal. of water contained in the system. Repeat as needed to maintain one ppm of active residual bromine for at least 4 hours.]

**[PULP AND PAPER MILL WATER SYSTEMS**

This product is intended for use as a slimicide for the process water used in the manufacture of paper and paperboard products that may contact food. Treat water at critical areas in the system process where mixing of the product with influent will be uniform. The frequency and duration of the treatment will depend upon the severity of the problem. Badly fouled process systems must be cleaned before initial treatment.]

{Note: Either one or both of the following treatment methods may be included on the label.}

[Treatment by system volume:

When a system is noticeably fouled: add 0.1 to 1.0 lbs. (or 12 to 120 ppm) of this product to 1,000 gal. of water in the system. When biological control is evident: add 0.1 to 0.75 lbs. (or 12 to 90 ppm) of this product to 1,000 gal. of water in the system.]

[Treatment by residual method:

Add sufficient amount of product to maintain a measured residual up to 5 ppm as bromine. Once biological control is evident, the use of this product normally can be reduced to something less than 1 ppm as bromine.]

{Optional Statement:}

[An alternative method of calculating the appropriate level of this product is to estimate the paper mill's daily production, then add, over a 24-hour period, up to 600 grams (1.3 lbs.) of this product per dry ton of paper produced over a 24-hour period. Test for bromine to verify the level of 5 ppm is not being exceeded.]

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal.

**PESTICIDE STORAGE**

Store in a dark, cool [below 86°F (30°C)], dry, well-ventilated area, in well-closed original containers, away from energy sources, combustible organic materials, oxidizers, strong bases and moisture.

**PESTICIDE DISPOSAL**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING**

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

**SPILLS**

When handling or dealing with spills, use goggles with side-shields, or face shield; protective clothing, including chemical-resistant gloves and boots; use a dust respirator if dusting occurs. Sweep up dry spills and dispose of as described for pesticide disposal. If container contents are contaminated or

{8622-28}

{HALOGENE® Master Label Ver.07}

{DOA: 05032013}

decomposing, do not reseal container. Isolate unsealed container in the open or in a well-ventilated area; flood with large volumes of water if necessary.

**IN CASE OF FIRE**

Do not use ammonium phosphate extinguisher near water and this product. Hazardous reactions may occur.

**WARRANTY**

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with label directions under normal conditions of use, but to the extent consistent with applicable law, neither this warranty nor any other warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.]

**Produced for:**

ICL-IP America, Inc.  
95 MacCorkle Avenue S.W.  
South Charleston, WV 25303  
{for DOMESTIC labels only:}[Tel: 1-(800) 811-2327]  
{for INTERNATIONAL labels only:}[Tel: 1-(304) 746-3000]

EPA Reg. No. 8622-28  
EPA Est. No. \_\_\_\_\_  
[Material][Label] No. \_\_\_\_\_  
NET CONTENTS: \_\_\_\_\_ [lbs.][kg.]  
[Batch][Lot] No. \_\_\_\_\_